Impact X

INTRINSICALLY SAFE SMARTPHONE

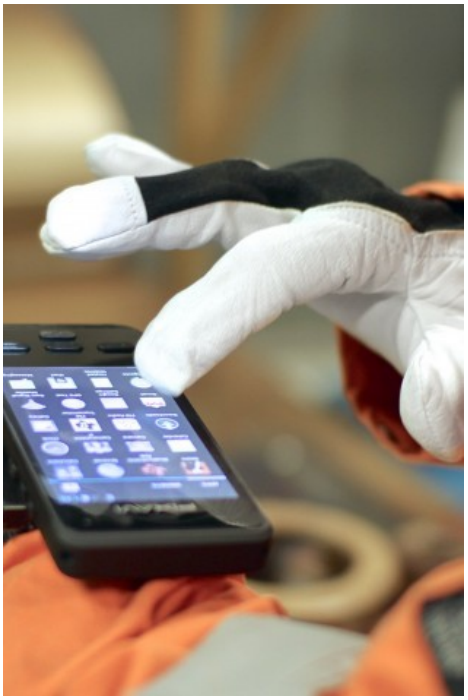
an unprecedented powerful platform

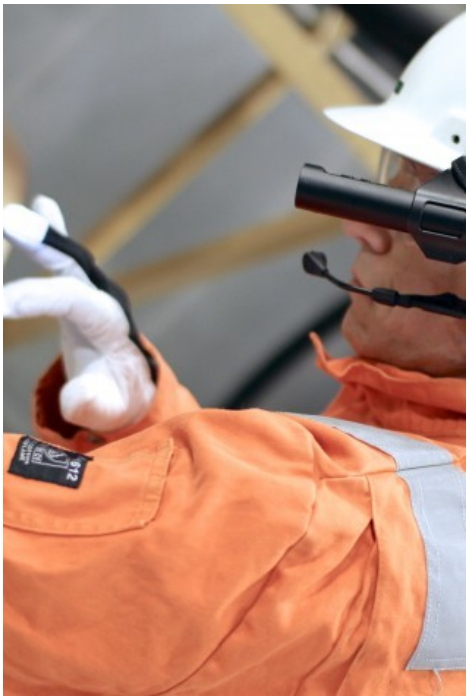
Ex Certified	Cloud managed
Double capacity	Extended temperatures
Rugged / Waterproof	Zone 1

Intro

The BARTEC PIXAVI Impact X is the toughest smartphone you will ever meet. This intrinsically safe smartphone has all the functionality you will expect from a regular smartphone. The IECEx and ATEX certification has not compromised the quality and usability. The device is explosion proof and rated for use in hazardous areas.

The Impact X is the next generation wireless video communication technology from BARTEC PIXAVI.





The Impact X intrinsically safe smartphone is a very powerful product, both on the inside and on the outside. It has the latest processors and software. Rugged, waterproof, lightweight aluminum chassis, as well as ATEX and IECEx Zone 1 certification makes it the most versatile smartphone ever built.

What

Applications

Oil and Gas
Petrochemical
Mining
Manufacturing

Features

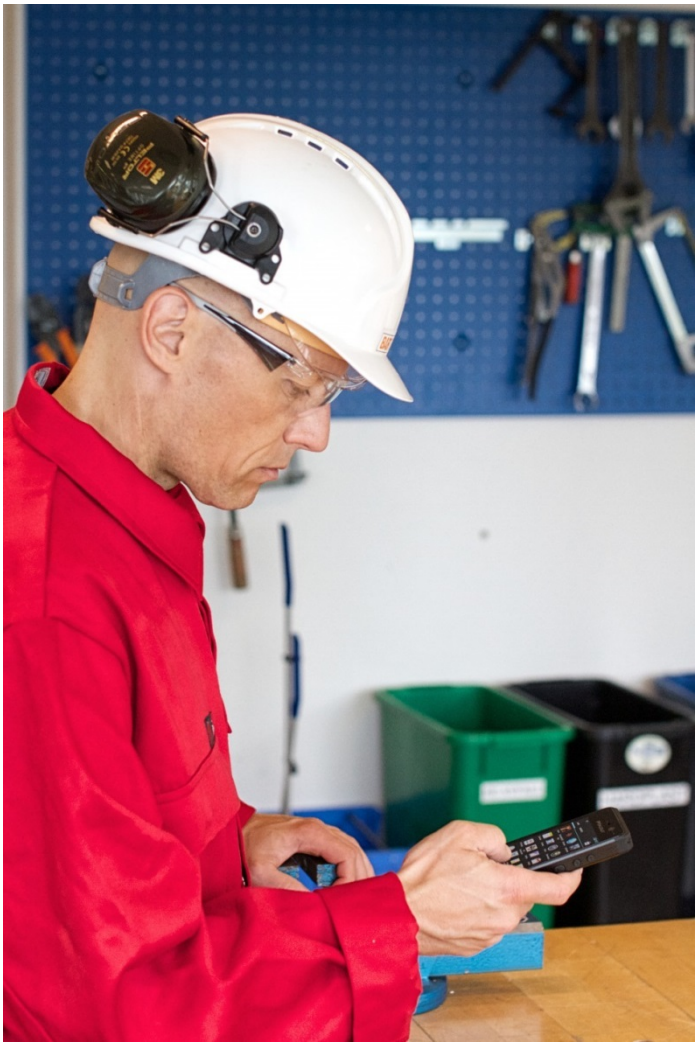
HD video streaming
High end imaging
Light and flexible
Glove compatible

Benefits

Make better decisions
Increase flexibility
Decrease travel expenses
Improve work routines

Specifications

Double battery capacity
IECEx and ATEX
Rugged, IP68
Android 4.2.2 Jelly Bean



No Compromises

Ruggedized and Ex certified products have been synonymous with low performance, outdated technology and bulky form factors. We wanted to change that! Our customers came to us and said they wanted the same performance and form factor in their Ex certified devices as consumer devices. We also added some features that no other smart-phone has.

Video and Imaging centric

We designed the Impact X smartphone with hazardous industrial environments in mind, where battery lifetime, ruggedness, usability, sunlight read-ability, glove compatibility and camera performance is essential. The high end optics, custom buttons, high end imaging sensors and Android operating system ensures that the device can be used for imaging, documentation, inspection and many other tasks.

Ergonomic features

Flipscape™: One-hand videography, anti smuge recess for camera glass, anti smuge coating on glass, dedicated camera button, glove compatible touch screen, moisture immune touch screen, ergonomic grip and hand strap makes it useable and ergonomic.

FlipScape explained

Did you ever wonder why many mobile videos are shown in a narrow strip in the middle of the video window on YouTube? The reason is that people want to hold their phone with one hand when recording videos. The orientation of the camera on a standard phone follows the screen ratio and you will therefore not get an optimal ergonomic experience. We have solved this problem by adding a second camera on the back of the device that is rotated 90 degrees compared to the standard camera.

How

Ships with telepresence app

The Impact X ships with the Sipido telepresence app that allows the user to stream live HD video to any location. This allows you to extend your video conferencing service to the field. Remote troubleshooting, inspection and surveillance has never been easier. This app is also available on other devices.

Double battery capacity

The Impact X is stuffed with advanced technology in order to offer the best possible performance. Modern mobile processors ensures the lowest possible power consumption. The device also has double the battery capacity (3000mAh) compared to other smartphones, to ensure a full workday with active use.

Immune to the elements

The Impact X is ruggedized to an extent that makes it able to take almost any challenge the environment might throw at it. It is impact, drop, dust, corrosion, water and explosion proof. It also has the ability to withstand extreme temperatures. It has a special glass sealing method with IP68 Corning Gorilla glass (2mm thick) and a Sunlight readable IPS display.

Android 4.2.2 (Jelly Bean)

Android is the preferred operating system for mobile devices. The reason is simple, running Android, the Impact X is secure, stable, updated and you have access to a huge library of applications. Bring any app into hazardous areas, including a wide range of value adding applications and services, such as mobility and ERP solutions, device management, video conferencing applications and every other Android app.

Enterprise adapted Apps

Today's workers expects the same snappy performance in their enterprise apps as they do at home when playing Angry Birds. The Impact X can help organizations realize their mobility strategies by offering the horsepower to run any App developed for Android. For example ERP, RFID and Barcode Reading, video conferencing and device management to mention a few. This means new usage scenarios and applications in many industries. The custom-built video conferencing application called "SIPIDO", allows the user to conduct live video conferencing sessions and stream video from the field. Work smarter and solve problems remotely, without having to send experts and technicians to the site. This saves travel costs and time. This device is an enabler for many smart innovations within hazardous areas. It gives the user an unprecedented versatile and powerful platform.

The Impact X has received the Award for Design Excellence

AWARD FOR DESIGN EXCELLENCE
NORWEGIAN DESIGN COUNCIL

Machined from Aluminum

The Impact X chassis is machined from one piece of high quality Norwegian aluminum in order to provide the ruggedness, durability and high quality feel the product deserves. It is fitted with rubber details and raised buttons made out of a durable but yet comfortable material. This is arguably the toughest smartphone ever built!

Wearable kit

Hands-free operation is often required when working in the hazardous area. This is why we have developed a wearability kit that enables Impact X to be mounted on a wrist cradle and the Orbit X to be mounted on a helmet, headset, wall mount, or telescopic pole. The result is a completely wireless and hands free mobile worker kit.

Specifications

Video and Imaging	
Video Quality	Full HD video (1080p, 30 FPS)
Storage Capacity	32 GB
Imaging	8 megapixel still images
Image Capture	Dedicated camera button
Video Codecs	H.264/AVC codec

Display and touch	
Screen Size	4,3 inch display
Touch Screen	Glove compatible capacitive touch
Resolution	480 x 800 pixels
Brightness	Direct sunlight readable display
Buttons	Volume, ON/OFF, Camera, Android

Ruggedness	
Impact	2 Joule Impact proof
Drop	2 meter drop proof
Submersible	IP68 waterproof
Explosion Protection	IECEx and ATEX Zone 1
Housing	Made from one piece of Aluminium
Connections	Covered USB port
Screen	2 mm Gorilla glass

Applications	
HD Video Collaboration	Sipido
Management Solution	Hostedmobiles.com
Browser	Full blown HTML5
Document Viewing	PDF and Office documents
ERP	Compatible with ERP systems
Apps	Google Play

Ergonomics	
Image Capture	Flipscape™: One hand videography
Dirt Proof	Anti-smudge recess for camera glass
Glove Proof	Anti-smudge coating on screen
Quick Imaging	Dedicated camera button
Glove Compatible	Glove compatible touch screen
Any Condition	Moisture resistive touch screen
Dropped Object	Hand strap for grip with gloves

Audio	
Microphone	Digital omni-directional microphone
Audio Codec	Full duplex audio communication
Video Recording	Stereo microphones on back
Headset	Handsfree support
Wireless Headset	Bluetooth audio headset support
Handsfree	Integrated mic and speaker
Audio Codec	CD quality (AAC LC/LD)
Sound Quality	Echo cancellation
Audio Out	3,5 mm standard connection

Networking	
Wi-Fi	802.11abgn (2,4 + 5 ghz)
Cellular	3G/HSPA+ (CDMA available)
Bluetooth	Bluetooth 4.0
Video Conferencing	Skype, SIP, H.323
Streaming	ISMA, RTSP, HTML5, WebRTC
Network	Firewall traversal technology
Network	STUN server support
Bandwidth	Dynamic Bandwidth Control
QoS	Diffserv, IP precedence (QoS)

Sensors	
Orientation	3 axis gyroscope
Accelerometer	Accelerometer
Navigation	Compass
Temperature	Temperature sensor
Positioning	Global Positioning System (GPS)
Pressure	Pressure sensor

Power	
Battery	3 Ah battery
Standby	400 h standby
Talk Time	8 hours talk time
Video Streaming	4 hour full operating time

Temperature range	
Operating	-20°C to +45°C
Storage	-40°C to +60°C

Certifications	
Hazardous Areas	ATEX / IECEx Zone 1 certified: IECEx SIR 13.0047X
Ex Code	Ex ib IIC T4
Wireless	Pending
HS Code	8517.12.00 (Norway)
Country of Origin	Made in Norway

Included	
Charger	Multi Region USB Charger
Warranty	1 year hardware warranty
User Manual	Manual, Quick guide
USB Cable	USB cable for charging and data transfer
Software updates	Available through HostedMobiles.com
Product box	Product box with custom shaped foam inlays

Size and Weight	
Size	150mm x 65mm x 12mm
Weight	290 grams (10 oz)

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